

Work Order ID 63348

Wednesday, October 27, 2010 4:02:43 PM



Page 1

Item ID:	D3245-043	Accept		Setup	Start	
Revision ID:						
Item Name:	Door Assembly				Stop	
Start Date:	10/27/2010	Start Qty:	4.00			
Required Date:	11/11/2010	Req'd Qty:	4.00			
Reference:						

Approvals:	Process Plan:		Date:	10-10-28	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
D3245	Rev B								

100	Pick Kit	0.00							
Packaging	Memo	0.00							
Packaging									

EP 10/11/24 (4)

110	Small Fab	0.00							
Small Fab	Memo	0.00							
Small Fab	1-Install Studs and Gromets as per Dwg D3245□3-Bond Gasket using 3M ADHESIVE as per Dwg D3245□A/R 3M 1300/1300L ADHESIVE								
	Batch: <u>4115230</u>								

EP 10/11/24 (4)

120	QC5: Inspect part completeness to step on W/O	0.00							
QC	Memo	0.00							
Quality Control									

8.10.11.25

(4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63348

Wednesday, October 27, 2010 4:02:43 PM

Page 2

Item ID: D3245-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Door Assembly

Start Date: 10/27/2010 Start Qty: 4.00

Cust Item ID:

Required Date: 11/11/2010 Req'd Qty: 4.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: 233B 0.00



Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

P 10/4/25 (4)

10/11/26
MF
10-11-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, October 27, 2010 4:02:48 PM

Page 1

Work Order ID: 63348

Parent Item: D3245-043

Parent Item Name: Door Assembly

Start Date: 10/27/2010


Required Date: 11/11/2010

Start Qty: 4.00


Required Qty: 4.00

Comments: IPP Rev :A New Issue 07-09-11 JLM Verified By:EC
IPP Rev:b ECN 1052 07-10-31 DD verified by:


Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------


127H-35  HALF GROMMET		Purchased	No			100	Each	27.0000	8	32			
---	--	-----------	----	--	--	-----	------	---------	---	----	--	--	--

Location	Loc Qty	Loc Code
ST381	10	
115361	10	
ST398	17	
111581	17	

2351-20-009-C3Y  STUD		Purchased	No			110	Each	142.0000	8	32			
---	--	-----------	----	--	--	-----	------	----------	---	----	--	--	--

Location	Loc Qty	Loc Code
ST399	142	
106484	1	
110944	50	
111733	85	
15447	6	

D3245-3  Door		Manufactured	No			110	Each	0.0000	1	4			
---	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

D3245-7  Gasket		Manufactured	No			110	Each	2.0000	1	4			
---	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

Location	Loc Qty	Loc Code
ST233B	2	
46175	2	

EP 10/11/24
M116049 (32)

EP 10/11/24
32

B63598 (4X)
EP 10/11/24
EP 10/11/24
B63347 (3X)

B63364 (1P)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

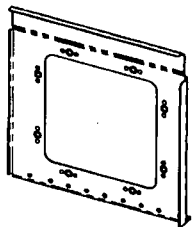
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

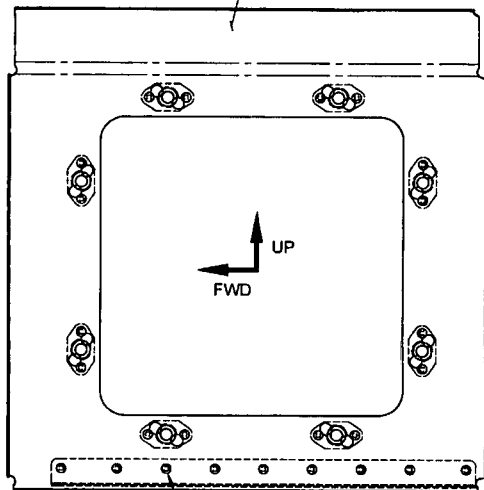
NOTE: Date & initial all entries

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. *63345*
2810-10-20



D3245-1
PANEL

2350-18-C3Y DZUS
RIGID RECEPTACLE (1)
MS20427M3-3 RIVET (2)
(8 PLACES)



MS20615M3-3 RIVET
(9 PLACES)

D3245-041 ACCESS PANEL ASSEMBLY

RELEASED
07-10-23

NOTES:

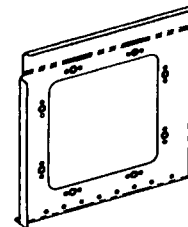
- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) ASSEMBLE IN ACCORDANCE WITH DART QSI 002
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3245-XX" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.83 lbs



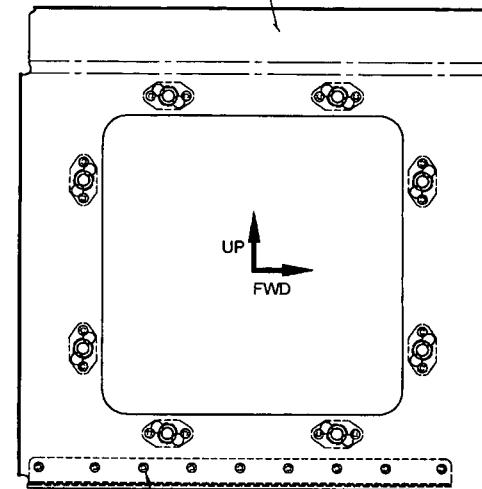
D3245-5
ANGLE PLATE

0.032
GAP

2350-18-C3Y DZUS
RIGID RECEPTACLE (1)
MS20427M3-3 RIVET (2)
(8 PLACES)



D3245-2
PANEL



MS20615M3-3 RIVET
(9 PLACES)

D3245-042 ACCESS PANEL ASSEMBLY

QTY -041	QTY -042	P/N	DESCRIPTION
X		D3245-041	ACCESS PANEL ASSEMBLY, LH
	X	D3245-042	ACCESS PANEL ASSEMBLY, RH
1		D3245-1	PANEL
	1	D3245-2	PANEL
1	1	D3245-5	ANGLE PLATE
8	8	2350-18-C3Y	DZUS RIGID RECEPTACLE
16	16	MS20427M3-3	RIVET
9	9	MS20615M3-3	RIVET

B		REMOVE Ø0.204 HOLES FROM D3245-1/-1F. REMOVE MS21060-L3K NUTPLATES & DURABLE BLACK GASKETS FROM D3245-041/-042. HOLES AND ITEMS ARE NOW PART OF INSTALLATION. ASSIGN P/Ns TO GASKETS & REFORMAT DRAWING		MB	07.10.02
A		NEW ISSUE		RF	04.01.27
REV.	DESCRIPTION			BY	DATE
DESIGN	JH			DART AEROSPACE LTD	
DRAWN	JH			HAWKESBURY, ONTARIO, CANADA	
CHECKED	JH			DRAWING NO. REV. B	
MFG. APPR.	JH			D3245 SHEET 1 OF 7	
APPROVED	JH			TITLE SCALE	
DE APPR.	JH			ACCESS PANEL ASSEMBLY 1:2.5	
DATE	07.10.02			COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

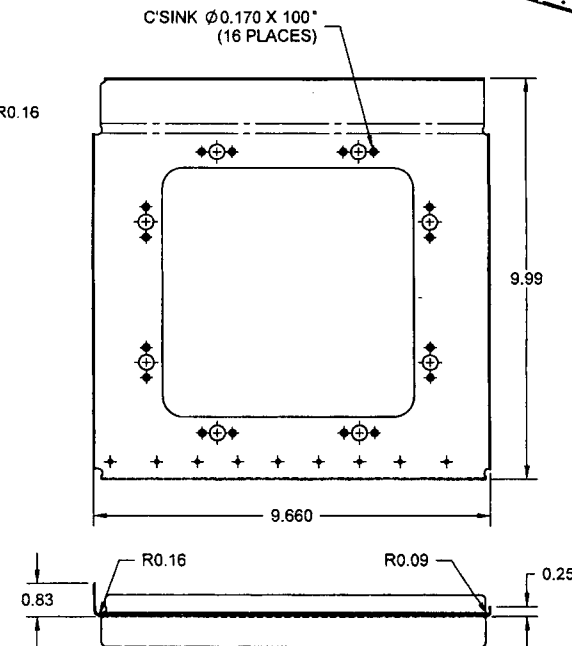
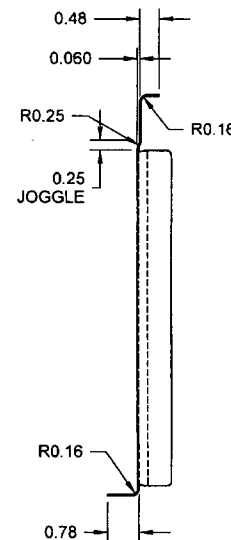
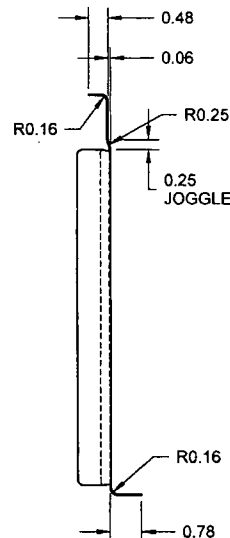
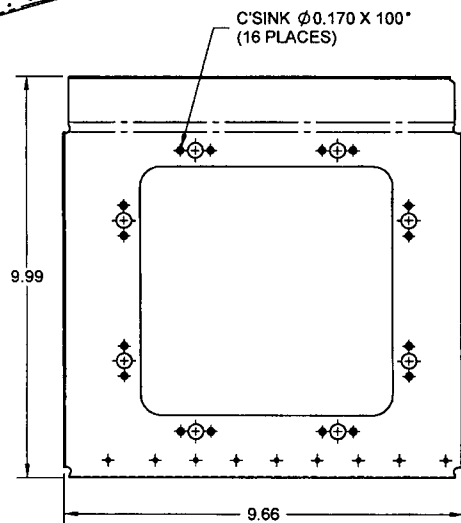
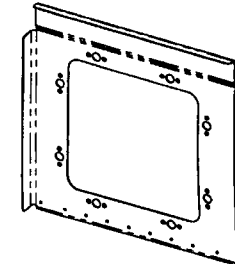
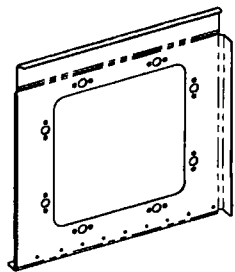
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

al0a3348



D3245-1 PANEL BEND DETAIL, LH

D3245-2 PANEL BEND DETAIL, RH

RELEASED
07-10-23

- NOTES:
- 1) MATERIAL: MAKE FROM D3245-1F
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.70 lbs

DESIGN	71	DART AEROSPACE LTD	
DRAWN	13	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	13	D3245	SHEET 2 OF 7
APPROVED	140	TITLE	SCALE
DE APPR.	14	ACCESS PANEL ASSEMBLY	
DATE	07.10.02	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD			

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

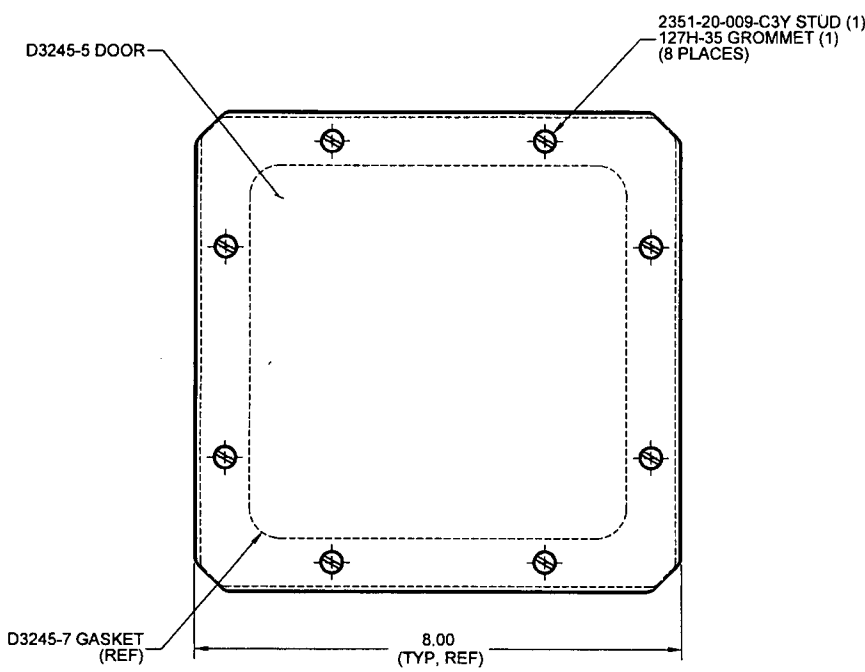
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

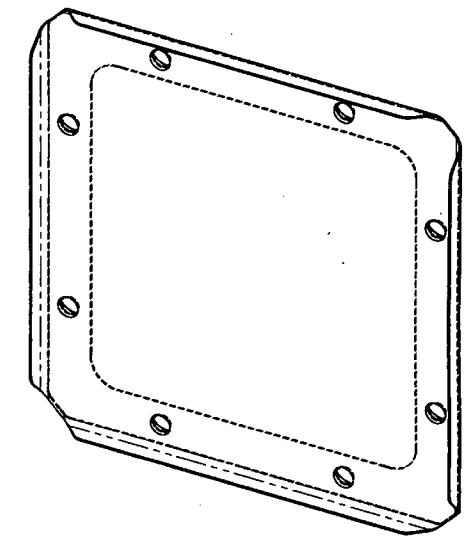
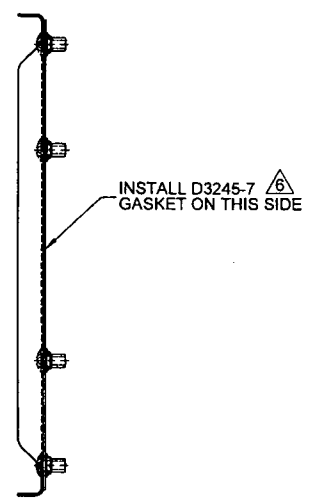
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1



u/o 43342



D3245-043 DOOR ASSEMBLY

QTY -043	P/N	DESCRIPTION
X	D3245-043	ACCESS PANEL ASSEMBLY
1	D3245-3	DOOR
1	D3245-7	GASKET
8	2351-20-009-C3Y	STUD
8	127H-35	GROMMET

RELEASED
7.10.02

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) INSTALL D3245-7 GASKET USING 3M SCOTCH-GRIP 1300/1300L ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
 - 7) ASSEMBLE IN ACCORDANCE WITH DART QSI 002
 - 8) IDENTIFICATION: IDENTIFY WITH DART P/N "D3245-043" AND B/N "BXXXXX" USING FINE POINT PERMANENT INK MARKER
 - 9) WEIGHT: 0.73 lbs

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D3245	SHEET 3 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	ACCESS PANEL ASSEMBLY	1:2
DATE	07.10.02	<small>COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

8 7 6 5 4 3 2 1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

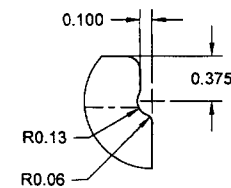
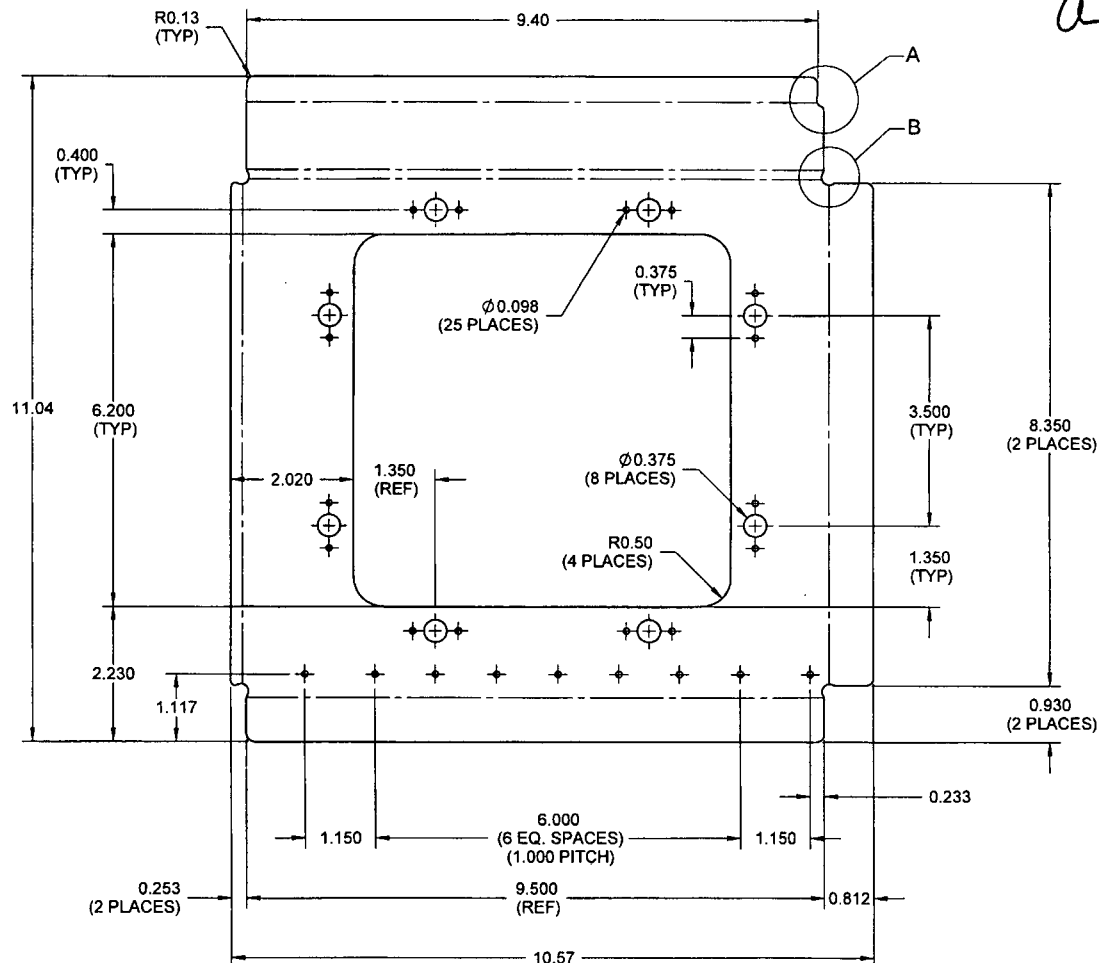
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

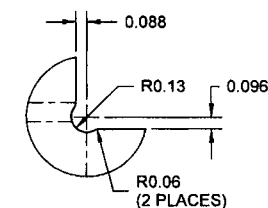
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

W/O 63348



DETAIL A: RELIEF
SCALE 1:1



DETAIL B: RELIEF
(TYP. 4 PLACES)
SCALE 1:1

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET
(0.032 THICK, REF)
PER MIL-S-5019 (ANNEALED) 2B FINISH
(REF. DART SPEC. M304S22GA)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.70 lbs

RELEASED
UNCLASSIFIED

D3245-1F PANEL FLAT PATTERN

DESIGN	PH	DART AEROSPACE LTD	
DRAWN	PH	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.	PH	D3245	SHEET 4 OF 7
APPROVED	PH	TITLE	SCALE
DE APPR.	PH	ACCESS PANEL ASSEMBLY	1:2
DATE	07.10.02	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

Dart Aerospace Ltd

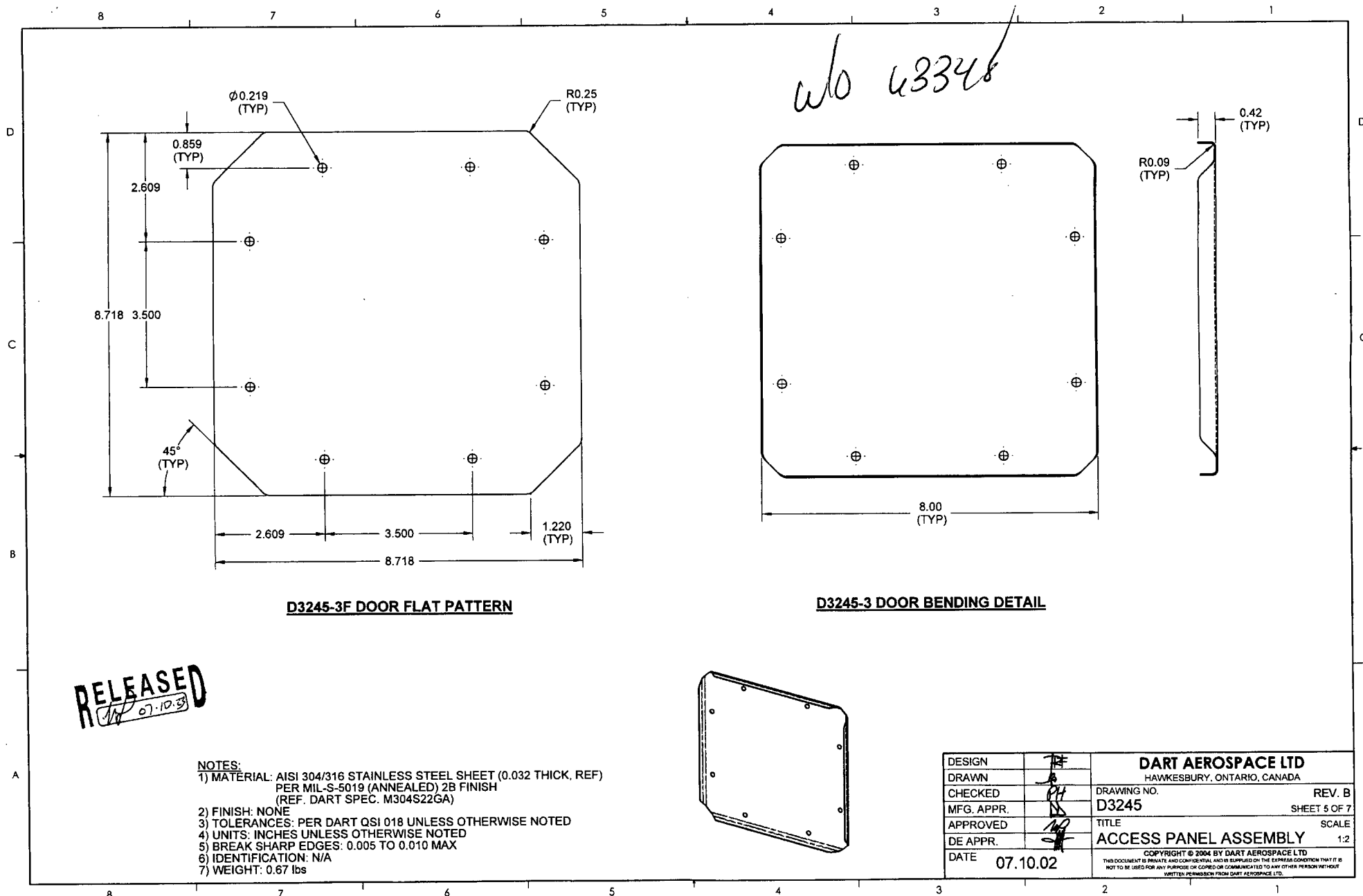
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

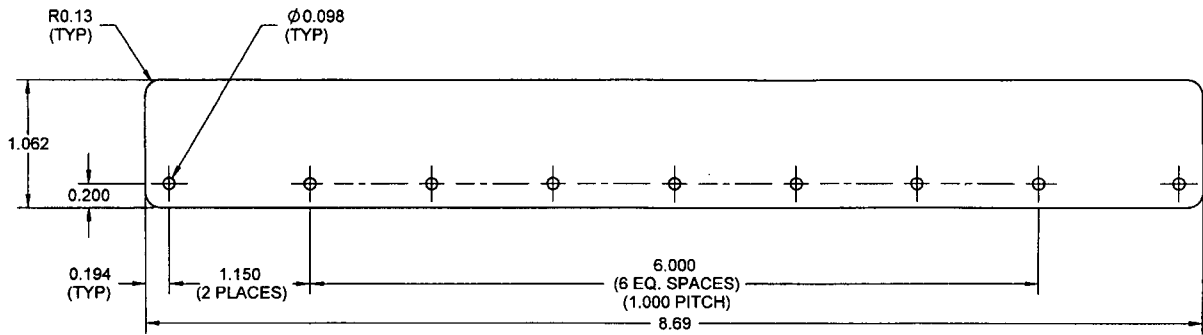
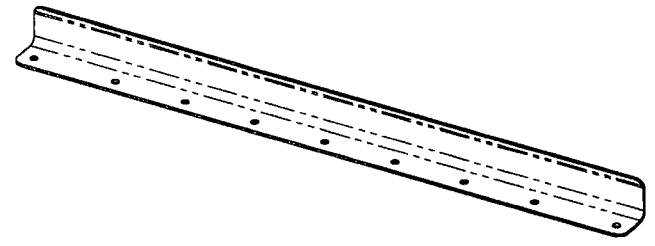
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

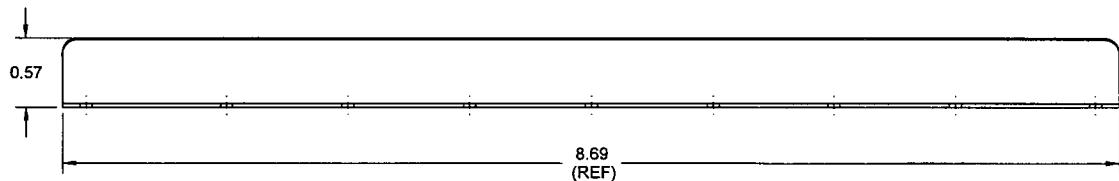
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

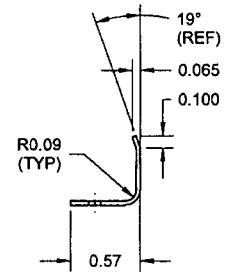
also a3348



D3245-5F FLAT PATTERN



**D3245-5 BEND DETAIL
(MAKE FROM D3245-5F)**



RELEASED
07-10-23

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SHEET (0.032 THICK, REF)
PER MIL-S-5019 (ANNEALED) 2B FINISH
(REF. DART SPEC. M304S22GA)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.08 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D3245	REV. B
MFG. APPR.			SHEET 6 OF 7
APPROVED		TITLE ACCESS PANEL ASSEMBLY	SCALE 1:1
DE APPR.		COPYRIGHT © 2004 BY DART AEROSPACE LTD	
DATE	07.10.02	THIS DOCUMENT IS PRELIMINARY AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries